

Title (en)
HYDROCONVERSION CATALYST COMPRISING AT LEAST A ZEOLITE, VIII AND VIB GROUP METALS, AND PREPARATION THEREOF

Title (de)
KATALYSATOR ZUR HYDROCONVERSION ENTHALTEND MINDESTENS EINEN ZEOLITH, VIII UND VIB METALLE UND DESSEN HERSTELLUNG

Title (fr)
CATALYSEUR UTILISABLE EN HYDROCONVERSION COMPRENANT AU MOINS UNE ZÉOLITHE ET DES METAUX DES GROUPES VIII ET VIB ET PREPARATION DU CATALYSEUR

Publication
EP 2794099 B1 20190508 (FR)

Application
EP 12813900 A 20121127

Priority
• FR 1104025 A 20111222
• FR 2012000488 W 20121127

Abstract (en)
[origin: WO2013093229A1] The invention relates to a catalyst containing a support including at least one binder and at least one zeolite and having at least one series of channels, the opening of which is defined by a ring containing 12 oxygen atoms, said catalyst including phosphorus, at least one C1-C4 dialkyl succinate, acetic acid, and a hydro-dehydrogenating function that contains at least one Group VIB element and at least one Group VIII element. The Raman spectrum of said catalyst includes 990 and/or 974 cm⁻¹ bands characteristic of at least one Keggin heteropolyanion, bands characteristic of said succinate, and the main 896 cm⁻¹ band characteristic of acetic acid. The invention also relates to the method for preparing the catalyst and to the use of said catalyst in hydroconversion.

IPC 8 full level
B01J 29/076 (2006.01); **B01J 27/14** (2006.01); **B01J 29/16** (2006.01); **B01J 29/78** (2006.01); **B01J 31/00** (2006.01); **B01J 35/00** (2006.01); **B01J 37/00** (2006.01); **B01J 37/02** (2006.01); **B01J 37/20** (2006.01); **B01J 37/26** (2006.01); **B01J 37/28** (2006.01); **C10G 47/20** (2006.01)

CPC (source: EP RU US)
B01J 29/064 (2013.01 - EP US); **B01J 29/076** (2013.01 - EP RU US); **B01J 29/166** (2013.01 - EP RU US); **B01J 29/7815** (2013.01 - EP RU US); **B01J 31/0209** (2013.01 - EP RU US); **B01J 31/04** (2013.01 - EP RU US); **B01J 31/34** (2013.01 - RU US); **B01J 35/30** (2024.01 - EP RU US); **B01J 37/0009** (2013.01 - EP US); **B01J 37/0203** (2013.01 - EP RU US); **B01J 37/0205** (2013.01 - EP RU US); **B01J 37/20** (2013.01 - EP RU US); **B01J 37/26** (2013.01 - EP RU US); **B01J 37/28** (2013.01 - EP RU US); **C10G 47/20** (2013.01 - EP RU US); **B01J 27/188** (2013.01 - EP US); **B01J 27/19** (2013.01 - EP RU US); **B01J 2229/42** (2013.01 - EP RU US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013093229 A1 20130627; BR 112014015026 A2 20170613; BR 112014015026 A8 20170627; CN 104321140 A 20150128; CN 104321140 B 20180116; CO 7121343 A2 20141120; DK 2794099 T3 20190805; EP 2794099 A1 20141029; EP 2794099 B1 20190508; FR 2984760 A1 20130628; FR 2984760 B1 20140117; JP 2015506828 A 20150305; JP 6302840 B2 20180328; KR 101853524 B1 20180430; KR 20140123938 A 20141023; MX 2014007371 A 20150205; MX 356504 B 20180531; RU 2014130021 A 20160210; RU 2621053 C2 20170531; US 2013180886 A1 20130718; US 9079174 B2 20150714; ZA 201404045 B 20150930

DOCDB simple family (application)
FR 2012000488 W 20121127; BR 112014015026 A 20121127; CN 201280063221 A 20121127; CO 14158967 A 20140722; DK 12813900 T 20121127; EP 12813900 A 20121127; FR 1104025 A 20111222; JP 2014548129 A 20121127; KR 20147020508 A 20121127; MX 2014007371 A 20121127; RU 2014130021 A 20121127; US 201213723616 A 20121221; ZA 201404045 A 20140603